

09/759,704

AMENDMENTS TO THE SPECIFICATION

Insert Table A, found below, after line 23 on page 16.

Table A

Public Name of Marker	bin #	PH6WG base pairs
phi427913	1.01	129.38
bnlg1014	1.01	124.16
phi056	1.01	255.30
bnlg1007	1.02	134.45
bnlg1083	1.02	221.86
bnlg1127	1.02	112.28
bnlg1953	1.02	247.56
bnlg1429	1.02	204.64
bnlg1627	1.02	202.70
bnlg439	1.03	225.98
phi109275	1.03	142.91
phi339017	1.03	155.08
bnlg1203	1.03	300.23
bnlg1484	1.03	157.83
dupssr26	1.04	124.50
bnlg2086	1.04	217.79
bnlg2238	1.04	222.47
bnlg1832	1.05	215.70
bnlg1886	1.05	141.48
bnlg1057	1.06	247.00
bnlg1041	1.06	194.58
bnlg1615	1.06	211.96
bnlg1556	1.07	201.94
phi323065	1.08	329.53
phi335539	1.08	88.58
phi423298	1.08	133.68
bnlg2228	1.08	246.31
phi002	1.08	73.53
bnlg1331	1.09	141.84
phi011	1.09	226.98
phi308707	1.10	131.11
phi227562	1.11	322.45
phi265454	1.11	234.33
phi064	1.11	94.65

09/759.704

Public Name of Marker	bin #	PH6WG base pairs
phi402893	2.00	218.34
phi96100	2.01	284.43
bnlg1017	2.02	195.57
bnlg2277	2.02	308.44
bnlg1327	2.02	300.60
bnlg1064	2.03	188.18
bnlg1537	2.03	121.81
bnlg1018	2.04	126.05
bnlg1036	2.06	182.95
phi328189	2.08	115.47
phi427434	2.08	121.46
phi435417	2.08	217.99
bnlg1141	2.08	152.92
bnlg1258	2.08	245.05
phi127	2.08	123.97
bnlg1520	2.09	285.85
phi101049	2.10	234.30
phi453121	3.00	223.43
phi104127	3.01	162.19
phi404206	3.01	303.14
phi193225	3.02	136.71
phi374118	3.02	225.95
bnlg1144	3.02	134.68
bnlg1523	3.03	264.89
bnlg1035	3.05	101.06
phi053	3.05	166.74
bnlg1160	3.06	220.49
bnlg1951	3.06	121.12
bnlg2241	3.06	142.63
bnlg1496	3.09	186.02
phi072	4.00	141.56
phi213984	4.01	284.60
phi295450	4.01	184.83
bnlg1162	4.03	92.86
phi021	4.03	92.44
phi308090	4.04	218.64
phi096	4.04	234.58
phi438301	4.05	211.81
bnlg1159	4.05	147.81
bnlg1755	4.05	214.54
bnlg1937	4.05	227.36

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09/759,704

Public Name of Marker	bin #	PH6WG base pairs
bnilg1265	4.05	194.44
phi079	4.05	187.36
bnilg1137	4.06	134.13
umc2038	4.07	135.37
bnilg1189	4.07	140.17
bnilg1784	4.07	233.02
bnilg2244	4.08	199.58
bnilg1565	4.09	204.19
bnilg1890	4.11	200.63
bnilg1006	5.00	229.38
phi396160	5.02	301.03
phi109188	5.03	161.52
bnilg653	5.04	156.23
phi330507	5.04	131.59
phi331888	5.04	130.72
bnilg1208	5.04	118.88
bnilg1892	5.04	147.78
bnilg2323	5.04	198.10
phi333597	5.05	213.82
phi085	5.06	250.16
bnilg1118	5.07	82.56
bnilg1346	5.07	189.21
bnilg1711	5.07	176.65
phi423796	6.01	135.33
bnilg1422	6.01	215.79
phi389203	6.03	306.15
phi452693	6.04	123.30
phi445613	6.05	96.95
umc1413	6.05	302.96
bnilg1174	6.05	218.72
umc1463	6.06	298.29
phi299852	6.07	117.30
phi364545	6.07	131.46
bnilg1740	6.07	230.27
bnilg1759	6.07	125.81
phi070;	6.07	83.47
umc1063		
bnilg2132	7.00	200.40
umc1159	7.01	227.99
bnilg1292	7.01	138.74
bnilg1094	7.02	157.39

B1
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09/759,704

Public Name of Marker	bin #	PH6WG base pairs
phi034	7.02	119.55
bnlg1070	7.03	145.56
bnlg2271	7.03	233.69
phi328175	7.04	98.87
phi260485	7.05	318.75
phi051	7.05	138.57
phi069	7.05	195.31
phi116	7.06	164.92
bnlg1194	8.02	174.99
phi100175	8.03	144.28
bnlg1863	8.03	212.97
bnlg2082	8.03	172.52
phi115	8.03	290.66
phi121	8.03	93.90
bnlg2046	8.04	326.12
bnlg1176	8.05	217.94
bnlg1152	8.06	148.42
bnlg1031	8.06	288.71
bnlg1065	8.07	239.09
bnlg1828	8.07	185.65
bnlg1056	8.08	110.49
bnlg1940	8.08	214.68
phi015	8.08	79.78
phi233376	8.09	152.17
bnlg1810	9.01	197.34
bnlg2122	9.01	237.09
umc1037	9.02	195.04
bnlg1012	9.04	157.54
phi032	9.04	236.63
phi108411	9.05	122.38
phi236654	9.05	117.08
bnlg619	9.07	272.68
phi041	10.00	202.94
phi96342	10.02	249.64
phi059	10.02	143.60
bnlg1037	10.03	117.77
bnlg1079	10.03	170.34
bnlg1655	10.03	126.51
phi050	10.03	83.27
phi301654	10.04	128.33
phi062	10.04	157.81

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09/759,704

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Public Name of Marker	bin #	PH6WG base pairs
phi323152	10.05	141.15
bnlg1074	10.05	183.85
bnlg1028	10.06	127.73
bnlg1185	10.07	151.61
bnlg1450	10.07	177.71
bnlg1839	10.07	195.90
phi109642		137.61
	2.03/2.04	
bnlg1720	1.09/1.10	236.44
phi448880	9.06/9.07	176.99